

GenCore version 5.1.4\_p5\_4578  
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OM protein - protein search, using sw model

Run on: May 19, 2003, 16:48:18 ; Search time 32.861 Seconds  
(without alignments)  
1056.640 Million cell updates/sec

Title: US-09-625-573-4  
Perfect score: 1900  
Sequence: 1 MLSTSRFRINTNESGEV.....DGVSTNTPTSGEQEVSAGL 360

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 362588 seqs, 96450795 residues  
Total number of hits satisfying chosen parameters: 362588

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:  
1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBOMB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBOMB.pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBOMB.pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1900	100.0	360	10	US-09-131-827A-2
2	1899	99.9	360	10	US-09-131-827A-2
3	1873	98.6	360	10	US-09-938-719-7
4	1873	98.6	360	10	US-09-938-719-7
5	1873	98.6	360	10	US-09-938-719-7
6	1838	96.7	347	10	US-09-104-792-3
7	1568.5	82.6	344	9	US-10-232-686-9
8	1568.5	82.6	344	10	US-09-779-879A-9
9	1568.5	82.6	344	10	US-09-779-879A-9
10	1473	77.5	329	10	US-09-725-285-9
11	1473	77.5	329	10	US-09-195-662A-9
12	1473	77.5	329	10	US-09-339-912A-9
13	1473	77.5	329	10	US-09-502-783A-9
14	1364	71.8	352	10	US-09-759-841-2
15	1364	71.8	352	10	US-09-813-653-15
16	1364	71.8	352	10	US-09-796-202-1
17	1364	71.8	352	10	US-09-938-719-5
18	1364	71.8	352	10	US-09-939-226-5
19	1364	71.8	352	10	US-09-938-703-5

20	1364	71.8	352	12	US-10-106-623-2
21	1364	71.8	352	12	US-10-106-623-20
22	1358	71.5	352	10	US-09-813-653-17
23	1356	71.4	352	9	US-10-232-686-2
24	1356	71.4	352	10	US-09-725-285-2
25	1356	71.4	352	10	US-09-779-879A-22
26	1356	71.4	352	10	US-09-779-880A-22
27	1356	71.4	352	10	US-09-195-662A-2
28	1356	71.4	352	10	US-09-339-912A-2
29	1356	71.4	352	10	US-09-502-783A-2
30	1355	71.3	352	10	US-09-779-879A-2
31	1355	71.3	352	10	US-09-779-880A-2
32	1036	54.5	355	10	US-09-961-068-1
33	1036	54.5	355	10	US-09-960-547-1
34	1008	53.1	355	10	US-09-938-719-9
35	1008	53.1	355	10	US-09-939-226-9
36	1008	53.1	355	10	US-09-938-703-9
37	951	50.1	355	10	US-09-931-381A-16
38	947	49.8	355	9	US-09-922-895-1
39	947	49.8	355	12	US-10-106-623-4
40	919.5	48.4	332	9	US-10-001-835-140
41	917	48.3	355	10	US-09-938-719-8
42	917	48.3	355	10	US-09-939-226-8
43	917	48.3	355	10	US-09-938-703-8
44	862.5	45.4	360	9	US-10-120-394-20
45	862.5	45.4	360	9	US-09-764-413-20

ALIGNMENTS

RESULT 1  
US-09-131-827A-2  
; Sequence 2, Application US/09131827A  
; Patent No. US20020038469A1  
; GENERAL INFORMATION:  
; APPLICANT: Dean, Michael  
; APPLICANT: O'Brien, Stephen J.  
; APPLICANT: Smith, Michael  
; APPLICANT: Carrington, Mary  
; TITLE OF INVENTION: DELAYED PROGRESSION TO AIDS BY A  
; TITLE OF INVENTION: MISSENSE ALLELE OF THE CCR2 GENE  
; FILE REFERENCE: 14014.0333  
; CURRENT APPLICATION NUMBER: US/09/131.827A  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/055,659  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 360  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-131-827A-2

Query Match	100.0%	Score	1900;	DB	10;	Length	360;
Best Local Similarity	100.0%	Pred. No.	2.8e-163;				
Matches	360;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
Qy	1	MLSTSRFRINTNESGEVTTFFDYDYGAPCHKFDVKOIGAOLLPPLSLVFIQFVGN	60				
Db	1	MLSTSRFRINTNESGEVTTFFDYDYGAPCHKFDVKOIGAOLLPPLSLVFIQFVGN	60				
Qy	61	MLVLLINCKKLKCLTDIYLLNLAISSDLLFLITPLWAHSAANWVFGNCKLFTGLY	120				
Db	61	MLVLLINCKKLKCLTDIYLLNLAISSDLLFLITPLWAHSAANWVFGNCKLFTGLY	120				
Qy	121	HIGYEGGIFILLTIDRYLAIVHAFKARTVTEGVTSTVTLVAVFASVPGIIFTK	180				
Db	121	HIGYEGGIFILLTIDRYLAIVHAFKARTVTEGVTSTVTLVAVFASVPGIIFTK	180				
Qy	181	CKEDSVYVCGPYFPGWNNFHTIMNIGLVLPILLIMWICYSGLIKTLRCRNEKKRHR	240				
Db	181	CKEDSVYVCGPYFPGWNNFHTIMNIGLVLPILLIMWICYSGLIKTLRCRNEKKRHR	240				

Db 181 CQKEDSVVCGPYFPRGNNFHTMRNLGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
QY 241 AVRVIETIMIVYFLWTPYINIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300  
Db 241 AVRVIETIMIVYFLWTPYINIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300  
QY 301 NPIIYAFVGEKFRRLYSVFFRKHTKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360  
Db 301 NPIIYAFVGEKFRRLYSVFFRKHTKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360

RESULT 2  
US-09-131-827A-20  
; Sequence 20, Application US/09131827A  
; Patent No. US20020038469A1  
; GENERAL INFORMATION:  
; APPLICANT: Dean, Michael  
; APPLICANT: O'Brien, Stephen J.  
; APPLICANT: Smith, Michael  
; APPLICANT: Carrington, Mary  
TITLE OF INVENTION: DELAYED PROGRESSION TO AIDS BY A  
TITLE OF INVENTION: MISSENSE ALLELE OF THE CCR2 GENE  
; FILE REFERENCE: 14014.0333  
; CURRENT APPLICATION NUMBER: US/09/131,827A  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/055,659  
; FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 20  
; LENGTH: 360  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
US-09-131-827A-20

Query Match 99.9%; Score 1899; DB 10; Length 360;  
Best Local Similarity 99.7%; Pred. No. 3.5e-163;  
Matches 359; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSTSRFRIRNTNSGEEVTTFFDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60  
Db 1 MLSTSRFRIRNTNSGEEVTTFFDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60  
QY 61 MLVVLILNCKKLCLTDIYLLNLALSDLLFLITPLWAHSAANEVFGNACKLFTGLY 120  
Db 61 MLVVLILNCKKLCLTDIYLLNLALSDLLFLITPLWAHSAANEVFGNACKLFTGLY 120  
QY 121 HIGYFGGIFFIILLTDIYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
Db 121 HIGYFGGIFFIILLTDIYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
QY 181 CQKEDSVVCGPYFPRGNNFHTMRNLGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
Db 181 CQKEDSVVCGPYFPRGNNFHTMRNLGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
QY 241 AVRVIETIMIVYFLWTPYINIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300  
Db 241 AVRVIETIMIVYFLWTPYINIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300  
QY 301 NPIIYAFVGEKFRRLYSVFFRKHTKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360  
Db 301 NPIIYAFVGEKFRRLYSVFFRKHTKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360

RESULT 3  
US-09-938-719-7  
; Sequence 7, Application US/09938719  
; Patent No. US20020106742A1  
; GENERAL INFORMATION:  
; APPLICANT: SAMSON, MICHEL  
; APPLICANT: PARMENTIER, MARC  
; APPLICANT: VASSART, GILBERT  
; APPLICANT: LIBERT, FREDERICK

; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
; AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe, Martens, Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/938,719  
; FILING DATE: 24-Aug-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/626,939  
; FILING DATE: 27-JULY-2000  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Altman, Daniel E  
; REGISTRATION NUMBER: 34,115  
; REFERENCE/DOCKET NUMBER: <Unknown>  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 360 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: No. US20020106742A1e  
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
US-09-938-719-7

Query Match 98.6%; Score 1873; DB 10; Length 360;  
Best Local Similarity 98.3%; Pred. No. 7.6e-161;  
Matches 354; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 MLSTSRFRIRNTNSGEEVTTFFDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60  
Db 1 MLSTSRFRIRNTNSGEEVTTFFDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60  
QY 61 MLVVLILNCKKLCLTDIYLLNLALSDLLFLITPLWAHSAANEVFGNACKLFTGLY 120  
Db 61 MLVVLILNCKKLCLTDIYLLNLALSDLLFLITPLWAHSAANEVFGNACKLFTGLY 120  
QY 121 HIGYFGGIFFIILLTDIYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
Db 121 HIGYFGGIFFIILLTDIYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
QY 181 CQKEDSVVCGPYFPRGNNFHTMRNLGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
Db 181 CQKEDSVVCGPYFPRGNNFHTMRNLGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
QY 241 AVRVIETIMIVYFLWTPYINIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300  
Db 241 AVRVIETIMIVYFLWTPYINIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300  
QY 301 NPIIYAFVGEKFRRLYSVFFRKHTKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360  
Db 301 NPIIYAFVGEKFRRLYSVFFRKHTKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360

RESULT 4  
US-09-939-226-7  
; Sequence 7, Application US/09939226  
; Patent No. US20020110805A1  
; GENERAL INFORMATION:  
; APPLICANT: SAMSON, MICHEL  
; APPLICANT: PARMENTIER, MARC  
; APPLICANT: VASSART, GILBERT

LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/939,226  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 360 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. US20020110805A1e  
SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
US-09-939-226-7

Query Match 98.6%; Score 1873; DB 10; Length 360;  
Best Local Similarity 98.3%; Pred. No. 7.6e-161;  
Matches 354; Conservative 2; Mismatches 4; Indels 0; Gaps 0;  
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DB 1 MLSTSRFRIRNTNESGEEVTFDFDYDGAPCHKFDVKQIGAOQLLPPLYSLVFIQGVGN 60  
QY 61 MLVVLILINCKKLCITDIYLLNLAISDLFLITPLWHAASANEVFGNAMCKLFTGLY 120  
DB 61 MLVVLILINCKKLCITDIYLLNLAISDLFLITPLWHAASANEVFGNAMCKLFTGLY 120  
QY 121 HIGYFGGIFILLTIDRYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
DB 121 HIGYFGGIFILLTIDRYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
QY 181 CQKEDSVYVCGPYPRGWNNEHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
DB 181 CQKEDSVYVCGPYPRGWNNEHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
QY 241 AVRVIETIMVYFLFWTPYNIIVLLNTQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300  
DB 241 AVRVIETIMVYFLFWTPYNIIVLLNTQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300  
QY 301 NPITIAVGEKFRYLSVFFRKHITKRCQCPVYRETVDGVTSTNTPTSGEQEVSAGL 360  
DB 301 NPITIAVGEKFRYLSVFFRKHITKRCQCPVYRETVDGVTSTNTPTSGEQEVSAGL 360

RESULT 5  
US-09-938-703-7  
; Sequence 7, Application US/09938703  
; Patent No. US20020110870A1  
; GENERAL INFORMATION:  
; APPLICANT: SAMSON, MICHEL  
; PARMENTIER, MARC

VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938,703  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 360 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. US20020110870A1e  
SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
US-09-938-703-7

Query Match 98.6%; Score 1873; DB 10; Length 360;  
Best Local Similarity 98.3%; Pred. No. 7.6e-161;  
Matches 354; Conservative 2; Mismatches 4; Indels 0; Gaps 0;  
QY 1 MLSTSRFRIRNTNESGEEVTFDFDYDGAPCHKFDVKQIGAOQLLPPLYSLVFIQGVGN 60  
DB 1 MLSTSRFRIRNTNESGEEVTFDFDYDGAPCHKFDVKQIGAOQLLPPLYSLVFIQGVGN 60  
QY 61 MLVVLILINCKKLCITDIYLLNLAISDLFLITPLWHAASANEVFGNAMCKLFTGLY 120  
DB 61 MLVVLILINCKKLCITDIYLLNLAISDLFLITPLWHAASANEVFGNAMCKLFTGLY 120  
QY 121 HIGYFGGIFILLTIDRYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
DB 121 HIGYFGGIFILLTIDRYLAIVHAFALKARTVTFGVVTSVITLWVAFASVPGIIFTK 180  
QY 181 CQKEDSVYVCGPYPRGWNNEHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
DB 181 CQKEDSVYVCGPYPRGWNNEHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240  
QY 241 AVRVIETIMVYFLFWTPYNIIVLLNTQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300  
DB 241 AVRVIETIMVYFLFWTPYNIIVLLNTQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300  
QY 301 NPITIAVGEKFRYLSVFFRKHITKRCQCPVYRETVDGVTSTNTPTSGEQEVSAGL 360  
DB 301 NPITIAVGEKFRYLSVFFRKHITKRCQCPVYRETVDGVTSTNTPTSGEQEVSAGL 360

RESULT 6  
US-09-104-792-3  
; Sequence 3, Application US/09104792  
; Patent No. US2002019026A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel R.

APPLICANT: Yi, Li  
APPLICANT: Ruben, Steven M.  
APPLICANT: Rosen, Craig A.  
TITLE OF INVENTION: HUMAN G-PROTEIN RECEPTOR HGBER32  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI,  
ADDRESSEE: STUART & OLSTEIN  
STREET: 6 Becker Farm Road  
CITY: Roseland  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/104,792  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/461,244  
FILING DATE: 05-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Ferraro, Gregory D.  
REGISTRATION NUMBER: 36,134  
REFERENCE/DOCKET NUMBER: 325800-445  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 347 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-104-792-3

Query Match 96.7%; Score 1838; DB 10; Length 347;  
Best Local Similarity 100.0%; Pred. No. 1e-157;  
Matches 347; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 NESGEVTFEDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVNMVVLINCKKL 73  
Db 1 NESGEVTFEDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVNMVVLINCKKL 60  
74 KCLTDIYLLNLAISDLLFLITLPLWAHSAANWVFGNAMCKLFTGLYHIGVFGGIFFIIL 133  
Db 61 KCLTDIYLLNLAISDLLFLITLPLWAHSAANWVFGNAMCKLFTGLYHIGVFGGIFFIIL 120  
QY 134 LTIDRYLAIVHAFALKARTVTFGVVTSVITLWLVAFASVPGIIFTKCKEDSVYVCGPY 193  
Db 121 LTIDRYLAIVHAFALKARTVTFGVVTSVITLWLVAFASVPGIIFTKCKEDSVYVCGPY 180  
QY 194 FPRGWNFTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRRAVRVIFTIMIVYF 253  
Db 181 FPRGWNFTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRRAVRVIFTIMIVYF 240  
QY 254 LFWTPYNIIVLLNTFOEFFGLSNCESTSOLDQATQVTTGLMTHCCINPIIYAFVGEKFR 313  
Db 241 LFWTPYNIIVLLNTFOEFFGLSNCESTSOLDQATQVTTGLMTHCCINPIIYAFVGEKFR 300  
QY 314 RYLVSFFRKHITKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 360  
Db 301 RYLVSFFRKHITKRCCKQCPVYRETVDGVTSTNTPTSTGEQEVSA 347

RESULT 7  
US-10-232-686-9  
; Sequence 9, Application US/10232686

Publication No. US20030023044A1  
GENERAL INFORMATION:  
APPLICANT: Li, Yi  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: Human G-Protein Chemokine Receptor (CCR5) HDGNR10  
FILE REFERENCE: 1488.115000N  
CURRENT APPLICATION NUMBER: US/10/232,686  
CURRENT FILING DATE: 2002-09-03  
PRIOR APPLICATION NUMBER: 09/339,912  
PRIOR FILING DATE: 1999-06-25  
PRIOR APPLICATION NUMBER: 09/195,662  
PRIOR FILING DATE: 1998-11-18  
PRIOR APPLICATION NUMBER: 08/466,343  
PRIOR FILING DATE: 1995-06-06  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 9  
LENGTH: 344  
TYPE: PRT  
ORGANISM: Homo Sapiens  
US-10-232-686-9

Query Match 82.6%; Score 1568.5; DB 9; Length 344;  
Best Local Similarity 95.3%; Pred. No. 1.9e-133;  
Matches 302; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 18 EEVTFEDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVNMVVLINCKKL 77  
Db 1 EEVTFEDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVNMVVLINCKKL 60  
QY 78 DIYLLNLAISDLLFLITLPLWAHSAANWVFGNAMCKLFTGLYHIGVFGGIFFIIL 137  
Db 61 DIYLLNLAISDLLFLITLPLWAHSAANWVFGNAMCKLFTGLYHIGVFGGIFFIIL 120  
QY 138 RYLAIVHAFALKARTVTFGVVTSVITLWLVAFASVPGIIFTKCKEDSVYVCGPY 197  
Db 121 RYLAIVHAFALKARTVTFGVVTSVITLWLVAFASVPGIIFTKCKEDSVYVCGPY 180  
QY 198 WNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRRAVRVIFTIMIVYF 257  
Db 181 WNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRRAVRVIFTIMIVYF 240  
QY 258 PYNIVILLNTFOEFFGLSNCESTSOLDQATQVTTGLMTHCCINPIIYAFVGEKFR 317  
Db 241 PYNIVILLNTFOEFFGLSNCESTSOLDQATQVTTGLMTHCCINPIIYAFVGEKFR 300  
QY 318 VFERKHITKRCCKQCPV 334  
Db 298 LF---HIALG-CRIAPL 310

RESULT 8  
US-09-779-879A-9  
; Sequence 9, Application US/09779879A  
; Patent No. US20020048786A1  
GENERAL INFORMATION:  
APPLICANT: Rosen, Craig A.  
APPLICANT: Roschke, Viktor  
APPLICANT: Li, Yi  
APPLICANT: Ruben, Steven, M.  
TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCR5) HDGNR10  
FILE REFERENCE: 1488.115000A  
CURRENT APPLICATION NUMBER: US/09/779,879A  
CURRENT FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: US 60/181,258  
PRIOR FILING DATE: 2000-02-09  
PRIOR APPLICATION NUMBER: US 60/187,999  
PRIOR FILING DATE: 2000-03-09  
PRIOR APPLICATION NUMBER: US 60/234,336  
PRIOR FILING DATE: 2000-09-22  
NUMBER OF SEQ ID NOS: 58  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 9

; LENGTH: 344  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-879A-9

Query Match 82.6%; Score 1568.5; DB 10; Length 344;  
Best Local Similarity 95.3%; Pred. No. 1.9e-133;  
Matches 302; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 18 EEWTFDDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVGNMVLVLINCKKLKCLT 77  
DB 1 EEWTFDDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVGNMVLVLINCKKLKCLT 60  
QY 78 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYGGIFILLITID 137  
DB 61 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYGGIFILLITID 120  
QY 138 RYLAIHVAHFALKARTVTEGVVTSVITLWVAFASVPGIIFTKCKEDSVVVCPPYPRG 197  
DB 121 RYLAIHVAHFALKARTVTEGVVTSVITLWVAFASVPGIIFTKCKEDSVVVCPPYPRG 180  
QY 198 WNNFHTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHRRAVRVIFTIMIVYFLFWT 257  
DB 181 WNNFHTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHRRAVRVIFTIMIVYFLFWT 240  
QY 258 PYNIVILLNTFOEFFGLSNCESTSQLDQATQVTTGLMTHCCINPIIYAFVGEKFRRLYS 317  
DB 241 PYNIVILLNTFOEFFGLSNCESTSQLDQATQVTTGLMTHCCINPIIYAFVGEKFRRLYS 297  
QY 318 VFERKHITRKFCQCPV 334  
DB 298 LF---HIALG-CRIAPL 310

## RESULT 9

US-09-779-880A-9  
; Sequence 9, Application US/09779880A  
; Patent No. US20020061834A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCR5) HDGNR10  
; FILE REFERENCE: 1488.115000C  
; CURRENT APPLICATION NUMBER: US/09/779, 880A  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: US 60/181,258  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/187,999  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: US 60/234,336  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 9  
; LENGTH: 344  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-880A-9

Query Match 82.6%; Score 1568.5; DB 10; Length 344;  
Best Local Similarity 95.3%; Pred. No. 1.9e-133;  
Matches 302; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 18 EEWTFDDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVGNMVLVLINCKKLKCLT 77  
DB 1 EEWTFDDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVGNMVLVLINCKKLKCLT 60  
QY 78 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYGGIFILLITID 137  
DB 61 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYGGIFILLITID 120

QY 138 RYLAIHVAHFALKARTVTEGVVTSVITLWVAFASVPGIIFTKCKEDSVVVCPPYPRG 197  
DB 121 RYLAIHVAHFALKARTVTEGVVTSVITLWVAFASVPGIIFTKCKEDSVVVCPPYPRG 180  
QY 198 WNNFHTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHRRAVRVIFTIMIVYFLFWT 257  
DB 181 WNNFHTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHRRAVRVIFTIMIVYFLFWT 240  
QY 258 PYNIVILLNTFOEFFGLSNCESTSQLDQATQVTTGLMTHCCINPIIYAFVGEKFRRLYS 317  
DB 241 PYNIVILLNTFOEFFGLSNCESTSQLDQATQVTTGLMTHCCINPIIYAFVGEKFRRLYS 297  
QY 318 VFERKHITRKFCQCPV 334  
DB 298 LF---HIALG-CRIAPL 310

## RESULT 10

US-09-725-285-9  
; Sequence 9, Application US/09725285  
; Patent No. US20010000241A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10  
; FILE REFERENCE: 1488.1150003  
; CURRENT APPLICATION NUMBER: US/09/725,285  
; CURRENT FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 09/339,912  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: 09/195,662  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 9  
; LENGTH: 329  
; TYPE: PRT  
; ORGANISM: Protein  
US-09-725-285-9

Query Match 77.5%; Score 1473; DB 10; Length 329;  
Best Local Similarity 90.5%; Pred. No. 7e-125;  
Matches 287; Conservative 3; Mismatches 5; Indels 22; Gaps 4;

QY 18 EEWTFDDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVGNMVLVLINCKKLKCLT 77  
DB 1 EEWTFDDYDYGAPCHKFDVKQIGAOQLLPPLYSLVFIFGFGVGNMVLVLINCKKLKCLT 60  
QY 78 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYGGIFILLITID 137  
DB 61 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYGGIFILLITID 105  
QY 138 RYLAIHVAHFALKARTVTEGVVTSVITLWVAFASVPGIIFTKCKEDSVVVCPPYPRG 197  
DB 106 RYLAIHVAHFALKARTVTEGVVTSVITLWVAFASVPGIIFTKCKEDSVVVCPPYPRG 165  
QY 198 WNNFHTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHRRAVRVIFTIMIVYFLFWT 257  
DB 166 WNNFHTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHRRAVRVIFTIMIVYFLFWT 225  
QY 258 PYNIVILLNTFOEFFGLSNCESTSQLDQATQVTTGLMTHCCINPIIYAFVGEKFRRLYS 317  
DB 226 PYNIVILLNTFOEFFGLSNCESTSQLDQATQVTTGLMTHCCINPIIYAFVGEKFRRLYS 282  
QY 318 VFERKHITRKFCQCPV 334  
DB 283 LF---HIALG-CRIAPL 295

## RESULT 11

## US-09-195-662A-9

; Sequence 9, Application US/09195662A  
; Patent No. US20020076745A1

## GENERAL INFORMATION:

; APPLICANT: Li, Yi

; APPLICANT: Ruben, Steven, M.

; TITLE OF INVENTION: Human G-Protein Chemokine Receptor HDGNR10 (CCRS Receptor)

; FILE REFERENCE: 1488.1150002

; CURRENT APPLICATION NUMBER: US/09/195,662A

; CURRENT FILING DATE: 1998-11-18

; PRIOR APPLICATION NUMBER: 08/466,343

; PRIOR FILING DATE: 1995-06-06

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: Patentin version 3.0

; SEQ ID NO 9

; LENGTH: 329

; TYPE: PRT

; ORGANISM: Protein

US-09-195-662A-9

## Query Match

; Sequence 9, Application US/09195662A

; Patent No. US20020076745A1

; Best Local Similarity 90.5%; Pred. No. 7e-125;

Matches 287; Conservative 3; Mismatches 5; Indels 22; Gaps 4;

QY 18 EEVTTFFDYDYGAPCHKEDVKQIGKQALLPPLYSLVFIFGVGNMVLVILINCKKLCCLT 77

Db 1 EEVTTFFDYDYGAPCHKEDVKQIGKQALLPPLYSLVFIFGVGNMVLVILINCKKLCCLT 60

QY 78 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHICYGFGGIFILLTID 137

Db 61 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHI----- 105

QY 138 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCKEDSVYVCGPYFPRG 197

Db 106 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCKEDSVYVCGPYFPRG 165

QY 198 WNNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRHRVAVIETIMIVYFLFWT 257

Db 166 WNNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRHRVAVIETIMIVYFLFWT 225

QY 258 PYNIVILLNTFOEFGLSNCESTSDQATQVETLGMTHCCINPIIYAFVGEKFRYLS 317

Db 226 PYNIVILLNTFOEFGLSNCESTSDQATQVETLGMTHCCINPIIYAFVGEKFR---S 282

QY 318 VFFRKHITRKCKQCPV 334

Db 283 LF---HIALG-CRIAPL 295

## RESULT 12

## US-09-339-912A-9

; Sequence 9, Application US/09339912A

; Patent No. US20020099176A1

## GENERAL INFORMATION:

; APPLICANT: Li, Yi

; APPLICANT: Ruben, Steven, M.

; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10

; FILE REFERENCE: 1488.1150003

; CURRENT APPLICATION NUMBER: US/09/339,912A

; CURRENT FILING DATE: 1999-06-25

; PRIOR APPLICATION NUMBER: 09/195,662

; PRIOR FILING DATE: 1998-11-18

; PRIOR APPLICATION NUMBER: 08/466,343

; PRIOR FILING DATE: 1995-06-06

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: Patentin version 3.0

; SEQ ID NO 9

; LENGTH: 329

; TYPE: PRT

; ORGANISM: Protein

US-09-339-912A-9

## Query Match

; Sequence 9, Application US/09195662A

; Patent No. US20020076745A1

; Best Local Similarity 90.5%; Pred. No. 7e-125;

Matches 287; Conservative 3; Mismatches 5; Indels 22; Gaps 4;

QY 18 EEVTTFFDYDYGAPCHKEDVKQIGKQALLPPLYSLVFIFGVGNMVLVILINCKKLCCLT 77

Db 1 EEVTTFFDYDYGAPCHKEDVKQIGKQALLPPLYSLVFIFGVGNMVLVILINCKKLCCLT 60

QY 78 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHICYGFGGIFILLTID 137

Db 61 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHI----- 105

QY 138 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCKEDSVYVCGPYFPRG 197

Db 106 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCKEDSVYVCGPYFPRG 165

QY 198 WNNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRHRVAVIETIMIVYFLFWT 257

Db 166 WNNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRHRVAVIETIMIVYFLFWT 225

QY 258 PYNIVILLNTFOEFGLSNCESTSDQATQVETLGMTHCCINPIIYAFVGEKFRYLS 317

Db 226 PYNIVILLNTFOEFGLSNCESTSDQATQVETLGMTHCCINPIIYAFVGEKFR---S 282

QY 318 VFFRKHITRKCKQCPV 334

Db 283 LF---HIALG-CRIAPL 295

## RESULT 13

## US-09-502-783A-9

; Sequence 9, Application US/09502783A

; Patent No. US20020132269A1

## GENERAL INFORMATION:

; APPLICANT: Li, Yi

; APPLICANT: Ruben, Steven, M.

; TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein Chemokine Receptor (

; FILE REFERENCE: 1488.1150000

; CURRENT APPLICATION NUMBER: US/09/502,783A

; CURRENT FILING DATE: 2001-08-23

; PRIOR APPLICATION NUMBER: 08/466,343

; PRIOR FILING DATE: 1995-06-06

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: Patentin version 3.0

; SEQ ID NO 9

; LENGTH: 329

; TYPE: PRT

; ORGANISM: Protein

US-09-502-783A-9

## Query Match

; Sequence 9, Application US/09502783A

; Patent No. US20020132269A1

; Best Local Similarity 90.5%; Pred. No. 7e-125;

Matches 287; Conservative 3; Mismatches 5; Indels 22; Gaps 4;

QY 18 EEVTTFFDYDYGAPCHKEDVKQIGKQALLPPLYSLVFIFGVGNMVLVILINCKKLCCLT 77

Db 1 EEVTTFFDYDYGAPCHKEDVKQIGKQALLPPLYSLVFIFGVGNMVLVILINCKKLCCLT 60

QY 78 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHICYGFGGIFILLTID 137

Db 61 DIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHI----- 105

QY 138 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCKEDSVYVCGPYFPRG 197

Db 106 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCKEDSVYVCGPYFPRG 165

QY 198 WNNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRHRVAVIETIMIVYFLFWT 257

Db 166 WNNFHTIMRNILGLVPLIMVICYSGILKTLRCRNEKKRHRVAVIETIMIVYFLFWT 225

QY 258 PYNIVILLNTFOEFGLSNCESTSDQATQVETLGMTHCCINPIIYAFVGEKFRYLS 317

## FILE REFERENCES

## FILE REFERENCES

